

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 245-65853-02
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. § 371		U.S. APPLICATION NO. (If known, see 37 C.F.R. § 1.5) <b>10/517728</b>
INTERNATIONAL APPLICATION NO. PCT/US03/18211	INTERNATIONAL FILING DATE 10 June 2003	PRIORITY DATE CLAIMED 11 June 2002
TITLE OF INVENTION POLYCRYSTALLINE THIN-FILM SOLAR CELLS		
APPLICANT(S) FOR DO/EO/US John F. Wager III and Douglas A. Keszler		
<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"><li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. § 371.</li><li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. § 371.</li><li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. § 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. § 371(b) and PCT Articles 22 and 39(1).</li><li>4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19<sup>th</sup> month from the earliest claimed priority date.</li><li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. § 371(c)(2))<ol style="list-style-type: none"><li>a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li><li>b. <input type="checkbox"/> has been transmitted by the International Bureau.</li><li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li></ol></li><li>6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. § 371(c)(2)).</li><li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. § 371(c)(3))<ol style="list-style-type: none"><li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li><li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li><li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li><li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li></ol></li><li>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. § 371(c)(3)).</li><li>9. <input checked="" type="checkbox"/> A Declaration of Inventorship from the inventors (1 page) and Power of Attorney (2 pages).</li><li>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. § 371(c)(5)).</li></ol> <p><b>Items 11. to 16. below concern document(s) or information included:</b></p> <ol style="list-style-type: none"><li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. §§ 1.97 and 1.98.</li><li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. §§ 3.28 and 3.31 and the Recordal fee of \$40.00 is included.</li><li>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li><li>14. <input type="checkbox"/> A substitute specification.</li><li>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</li><li>16. <input checked="" type="checkbox"/> Other items or information:<ol style="list-style-type: none"><li><input checked="" type="checkbox"/> Abstract on a separate page.</li><li><input type="checkbox"/> Written Opinion.</li><li><input type="checkbox"/> Preliminary Examination Report.</li><li><input checked="" type="checkbox"/> International Search Report (included in attached published international Application No. WO 03/105238 A1).</li><li><input type="checkbox"/> Copies of References Cited.</li></ol></li></ol>		

U.S. APPLICATION NO. (If known, see 37 C.F.R. § 1.51) <b>10/51772</b>	INTERNATIONAL APPLICATION NO. <b>PCT/US03/18211</b>	ATTORNEY'S DOCKET NUMBER <b>245-65853-02</b>
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17. <input checked="" type="checkbox"/> The following fees are submitted:  <b>BASIC NATIONAL FEE (37 C.F.R. §§ 1.492(a)(1)-(5)):</b>  Neither International Preliminary Examination fee (37 C.F.R. § 1.482) nor International Search fee (37 C.F.R. § 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... <b>\$1,110.00</b>  International Preliminary Examination fee (37 C.F.R. § 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO..... <b>\$950.00</b>  International Preliminary Examination fee (37 C.F.R. § 1.482) not paid to USPTO but International Search fee (37 C.F.R. § 1.445(a)(2)) paid to USPTO as an International Searching Authority ..... <b>\$790.00</b>  International Preliminary Examination fee paid to USPTO (37 C.F.R. § 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4)..... <b>\$750.00</b>  International Preliminary Examination fee paid to USPTO (37 C.F.R. § 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) ..... <b>\$100.00</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: left;">CALCULATIONS (PTO USE ONLY)</th> </tr> <tr> <td style="width: 80%;"><b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b></td> <td style="width: 20%; text-align: right;"><b>\$ 790.00</b></td> </tr> <tr> <td>Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. § 1.492(e)).</td> <td style="text-align: right;"><b>\$</b></td> </tr> <tr> <td> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">CLAIMS</th> <th style="width: 20%;">NUMBER FILED</th> <th style="width: 20%;">NUMBER EXTRA</th> <th style="width: 40%;">RATE</th> </tr> <tr> <td>Total claims</td> <td>33 - 20 =</td> <td>13</td> <td>x <b>\$18.00</b></td> </tr> <tr> <td>Independent Claims</td> <td>3 - 3 =</td> <td>0</td> <td>x <b>\$88.00</b></td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ <b>\$230.00</b></td> </tr> </table> </td> <td style="text-align: right;"> <b>\$ 234.00</b>  <b>\$ 0.00</b>  <b>\$</b> </td> </tr> <tr> <td><b>TOTAL OF ABOVE CALCULATIONS =</b></td> <td style="text-align: right;"><b>\$ 1,024.00</b></td> </tr> <tr> <td><input checked="" type="checkbox"/> Reduction of 1/2 for filing by small entity. 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a. <input checked="" type="checkbox"/>	A check in the amount of \$ <u>512.00</u> to cover the above fees is enclosed.
b. <input type="checkbox"/>	Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.
c. <input checked="" type="checkbox"/>	The Director is hereby authorized to charge any additional fees that may be required, or credit any overpayment, to Deposit Account No. <u>02-4550</u> . A duplicate copy of this sheet is enclosed.
d. <input checked="" type="checkbox"/>	Please return the enclosed postcard to confirm that the items listed above have been received.

  

**NOTE:** Where an appropriate time limit under 37 C.F.R. § 1.494 or § 1.495 has not been met, a petition to revive (37 C.F.R. § 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

  

SEND ALL CORRESPONDENCE TO THE ADDRESS ASSOCIATED WITH  <b>CUSTOMER NUMBER 24197</b>  KLARQUIST SPARKMAN, LLP One World Trade Center, Suite 1600 121 S.W. Salmon Street Portland, OR 97204-2988	<div style="text-align: center;">             SIGNATURE         </div> <div style="text-align: center;">           Wayne W. Rupert            NAME         </div> <div style="text-align: center;"> <u>34,420</u>            REGISTRATION NUMBER         </div>
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cc: Docketing